



Approval #

980011-U
(Replaces 920074-U)

Safety & Buildings Division
201 West Washington Avenue
P.O. Box 2689
Madison, WI 53701

Wisconsin Material Approval

Material

Aboveground Storage Tank

Manufacturer

Areo Power Unitized Fueler, Inc.
103 Smithtown Boulevard
Smithtown, New York 11787

SCOPE OF EVALUATION

The Aboveground Storage Tank manufactured by Areo Power Unitized Fueler, Inc. has been evaluated in accordance with **s. ILHR 10.415 (7) (b)** of the Wisconsin Administrative Flammable and Combustible Liquids Code.

DESCRIPTION AND USE

The Areo Power Unitized Fueler consists of a horizontal cylindrical steel tank mounted on saddles placed inside a rectangular steel containment dike. The units are intended for stationary installation. The units are raised off the ground by steel channels or I-beams attached to the bottom of the dike and would typically be installed on a solid surface. A stairway with handrail is provided to allow access to the top of the tank for fueling and maintenance.

TESTS AND RESULTS

The tank is tested and listed by Underwriters Laboratories in accordance with standard UL 142. The containment dike is also UL listed.

LIMITATIONS OF APPROVAL

The tank and dike system is approved in the following configurations as meeting the secondary containment requirements of **ss. ILHR 10.345 (1)** and **10.415 (7)(a)**: 110 percent secondary containment capacity with rainshields only; 125 percent secondary containment capacity with or without rainshields; and 150 percent secondary containment capacity with or without rainshields.

The dike shall have integral means for the removal of rainwater in accordance with **s. ILHR 10.345(1)(b)**.

The heads and the shell above the rainshields shall have a total wall thickness of 7/16 inch. This is deemed sufficient to meet the projectile protection requirement of **s. ILHR 10.415 (7)(b)**.

Tanks up to 10,000 gallons may be used for vehicle fueling in accordance with **s. ILHR 10.415**.

Compartmentalized tanks shall be constructed with a double bulkhead in accordance with UL standard 142. This interstitial space between compartments shall be monitored for leaks.

A spill container shall be provided at the fill opening in accordance with **s. ILHR 10.415(12)(a)**.

Separate vehicle collision protection shall be provided by a barrier that meets the design requirements specified in **s. ILHR 10.415(8)(a)**.

No attachments shall be made to the tank which violate or void the UL listing.

The tank shall be installed to allow full visual inspection of the secondary containment system.

The installer shall be certified by the department in accordance with **ch.Comm. 5**.

This approval will be valid through December 31, 2003, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Reviewed by: _____

Approval Date: _____ By: _____

Duane D. Hubeler
Mechanical Code Consultant
Program Development Bureau

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